

Title (en)
PIEZOELECTRIC RELAY

Publication
EP 0170173 B1 19890517 (DE)

Application
EP 85109069 A 19850719

Priority
DE 3427294 A 19840724

Abstract (en)
[origin: EP0170173A1] 1. Piezoelectric relay with at least one piezoceramic longitudinal transducer (2), the change in length of which on the application of a voltage causes a proportional change in the clamped length of at least one contact element constructed as bent spring (3; 23a, 23b; 33), the central region of the bent spring (3; 23a, 23b; 33) executing a transverse motion relative to at least one counter-contact element (5, 6; 25a, 25b, 26a, 26b; 35, 36), characterized in that the bent spring (3; 23a, 23b; 33) is clamped essentially parallel to the longitudinal transducer (2), it being possible by means of the change in length of the longitudinal transducer (2) to change its clamped length proportionally in the same sense and is brought into non-positive compressive connection with the end faces of the longitudinal transducer (2) through means for elastic biasing.

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H01H 57/00

IPC 8 full level
H01H 57/00 (2006.01); **H10N 30/20** (2023.01)

CPC (source: EP)
H01H 57/00 (2013.01); **H01H 2057/003** (2013.01)

Cited by
US6131879A; US6142444A; WO9823868A1

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